

## MD iMap Technical Committee Meeting Minutes

Place: Department of the Environment (MDE): Terra Room (Baltimore, MD)  
Date: 12/17/13  
Time: 1:00PM – 3:00 PM  
Attendees: Michael Blahut (SHA), Kaushik Dutta (MDTA), Bill Fearington (DHR), Julia Fischer (DoIT), Mara Kaminowitz (BMC), Erin Lesh (SHA), Lisa Lowe (DoIT), Pat McLoughlin (Spatial Systems Associates, Inc.) and Marshall Stevenson (WBCM/SHA)  
Phone Attendees: Miriam Pomilio (Delaware) and Brad Wolters (DHCD)

### AGENDA:

- Introductions 1:00 – 1:10
- MD ELA Statistics Update 1:10 – 1:20
- Data & Resources Subcommittee Updates 1:20 – 2:20
  - Subcommittee Meeting Recap – *Lisa Lowe*
  - Addressing Initiative – *Russell Provost*
  - Geocoder Update – *Russell Provost*
  - DFIRM Data Integration Update – *MDE*
  - 2013 Eastern Shore Imagery Status Update – *Jim Cannistra*
  - Centerlines Update – *Erin Lesh*
- Application Subcommittee Updates 2:20 – 2:30
- Outreach Subcommittee Updates 2:30 – 2:50
  - Coordination of TUGIS Presentations – *Barney Krucoff*
  - LiDAR Webpage Update – *ESRGC*
- Additional Business 2:50 – 3:00

### NEW ACTION ITEMS:

Description:	Date Assigned:	Follow Up By:
Message out SHA Centerline tab new to Portal	Submitted: 12/17/13	GIO Office
Message out LiDAR Service Availability, once confirmed as finalized	Submitted: 12/17/13	GIO Office

Survey Pictometry to determine who has contracted with them from Maryland	Submitted: 12/17/13	GIO Office
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#### ON-GOING ACTION ITEMS:

Description:	Date Assigned:	Follow Up By:
REST Endpoint Service Descriptions <ul style="list-style-type: none"> <li>Any changes that need to be made to these descriptions or legends should be submitted to Ashley Buzzeo</li> </ul>	Submitted: 12/20/11	MD iMap Service Data Owners

#### APPLICATION SUBCOMMITTEE ACTION ITEMS:

Description:	Date Assigned:	Follow Up By:
How to consume Socrata services in MD iMap <ul style="list-style-type: none"> <li>Update on page 11</li> <li>Python script being coded and tested on some transportation and MDA data which has been uploaded to Socrata, more details to follow</li> <li>Test the potential for automated updates using available .xml feeds or other resources out of Socrata and report back to the group</li> </ul>	Updated: 5/7/13 2/5/13  Submitted: 1/15/13	Kristen Ahearn, Kaushik Dutta & Jason Keppler
Application Submission Procedures <ul style="list-style-type: none"> <li>Update on page 12</li> <li>Update detailed procedures for application creation and update</li> <li>Resend Application Submission Procedures draft to Technical Committee (Co-chairs)</li> </ul>	Updated: 5/7/13  Submitted: 6/21/11	Technical Committee

#### DATA & RESOURCES SUBCOMMITTEE ACTION ITEMS:

Description:	Date Assigned:	Follow Up By:
MD iMap KML Services Issues <ul style="list-style-type: none"> <li>MDP will look into this and get back to the group</li> </ul>	Submitted: 11/5/13	Jim Cannistra
Feedback/Requests concerning MD iMap <ul style="list-style-type: none"> <li>Updates on page 12</li> <li>Statewide tax map service being developed by MDP – will be made available on MD iMap in future</li> <li>PFA map service now includes a field “State Eligible” w/ Yes or No</li> <li>Look to obtain most recent statewide DEM from Salisbury and discuss effort/timeline for generating hillshade and getting posted</li> <li>Still updating</li> <li>Add Plat # to parcel</li> <li>Maybe add address</li> <li>Add PFA in/out: resistance to this update</li> <li>Check for hillshade, which can be added as map service, @ MDP</li> <li>Add Hillshade Service: Inquire at DNR if they have a hillshade available –</li> </ul>	Updated: 5/7/13 9/4/12 3/23/12 10/4/11  Submitted: 6/7/11	Jim Cannistra

to check <ul style="list-style-type: none"> <li>Add Map/Parcel ID Look-Up: Follow up with requestor (Jason Zhao – MDE) to clarify request</li> </ul>		
<b>Metadata Services</b> <ul style="list-style-type: none"> <li>Forward electronic list to group</li> <li>Updated list to be provided by Friday, 1/7/2011</li> <li>Updated list to be provided at 1/4/2011 meeting</li> <li>Remaining “offenders” actively being pursued</li> <li>Resend email to “offenders” to complete metadata</li> <li>Email resent and follow-up by Kenny Miller to occur</li> <li>MDP has provided metadata for all their services on MD iMap</li> <li>Follow-up concerning how to obtain the missing metadata for services currently being hosted on MD iMap</li> <li>Email sent to Kenny</li> <li>Agency leads from Tech. Comm. to make progress               <ul style="list-style-type: none"> <li>Direct contact of data owners</li> </ul> </li> <li>A listing of services for which metadata is needed was provided. It was discussed that some metadata may not be available from the data producers. This is especially true for parcel data. Metadata at the service level will be written by MDP for parcel data to go along with the MD iMap refresh process</li> </ul>	Updated: 1/18/11 1/4/11 12/21/10 10/5/10 8/3/10 7/12/10 6/22/10 5/18/10  Submitted: 4/20/10	Data & Resources Subcommittee Co-chairs

#### OUTREACH SUBCOMMITTEE ACTION ITEMS:

<b>Description:</b>	<b>Date Assigned:</b>	<b>Follow Up By:</b>
Twitter/Communication Plan <ul style="list-style-type: none"> <li>List of every CIO for inclusion on email alerts</li> </ul>	Submitted: 11/15/11	GIO
<ul style="list-style-type: none"> <li>Recruit participants</li> <li>Obtain feedback concerning how to improve upon current outreach strategies</li> <li>Email potential new members directly</li> </ul>	Updated: 5/18/10 4/20/10  Submitted: 3/16/10	Outreach Subcommittee
<ul style="list-style-type: none"> <li>Proactive Marketing of MD iMap</li> </ul>	Submitted: 9/21/10	Outreach Subcommittee

#### COMPLETED ACTION ITEMS:

<b>Description:</b>	<b>Date Assigned:</b>	<b>Follow Up By:</b>
November is “Update the GIS Inventory” Month <ul style="list-style-type: none"> <li>Obtain from Ashley Buzzeo some wording to message out to the GIS community</li> </ul>	Submitted: 11/5/13	Julia Fischer

## Introductions

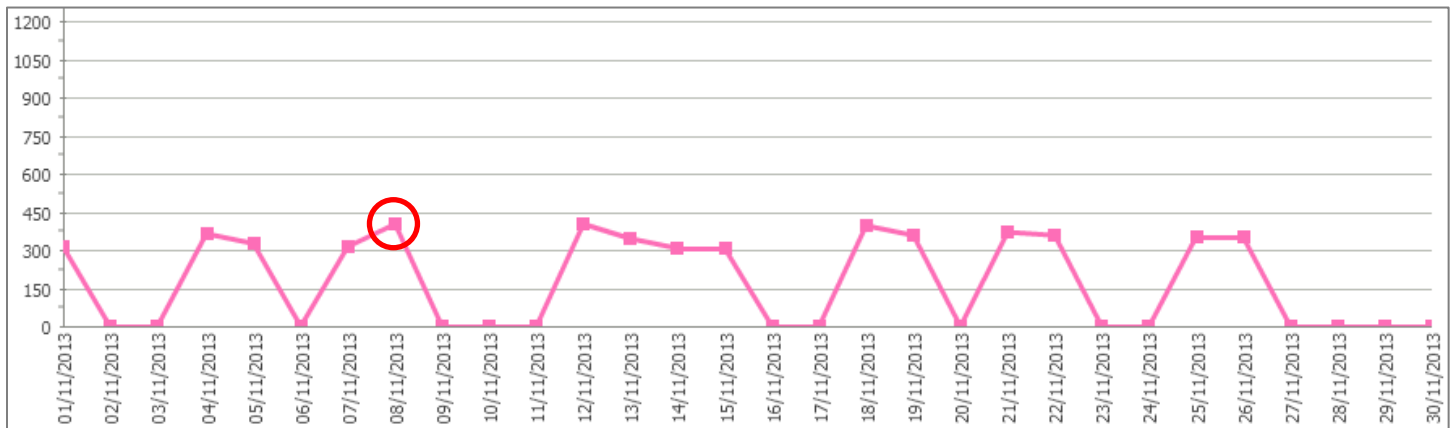
### Round-the-room

## MD ELA Statistics Update

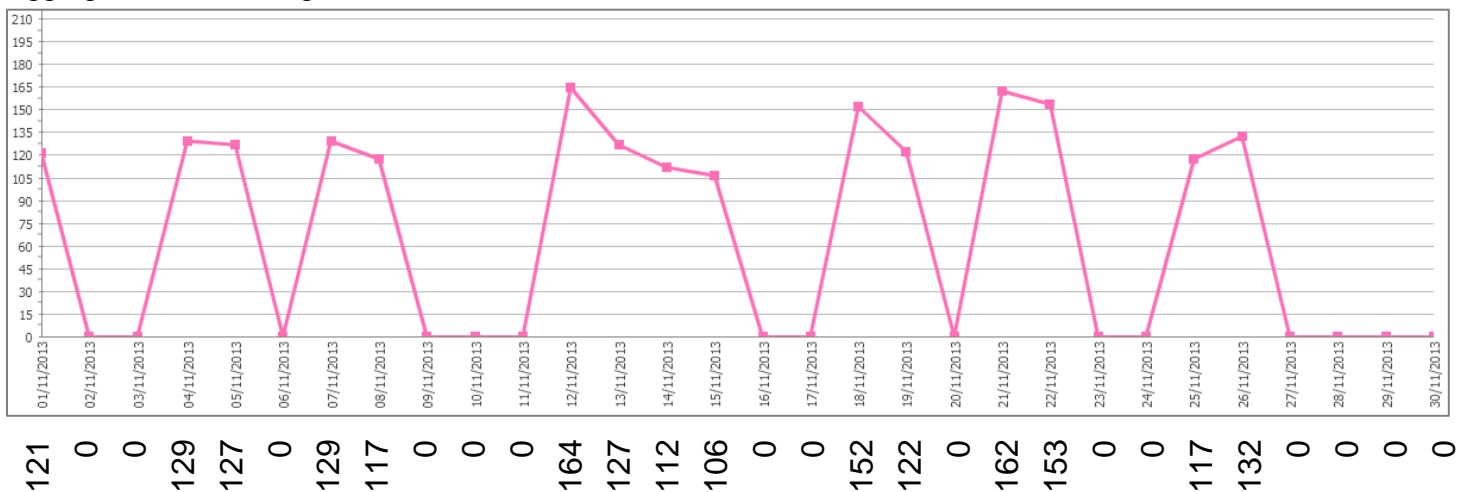
### Desktop License Statistics

- Total Users in November: 467
- Percent Change from October 2013: -0.4%
- Total Number of System Users: 912
- Percent Change from October: +4.1%

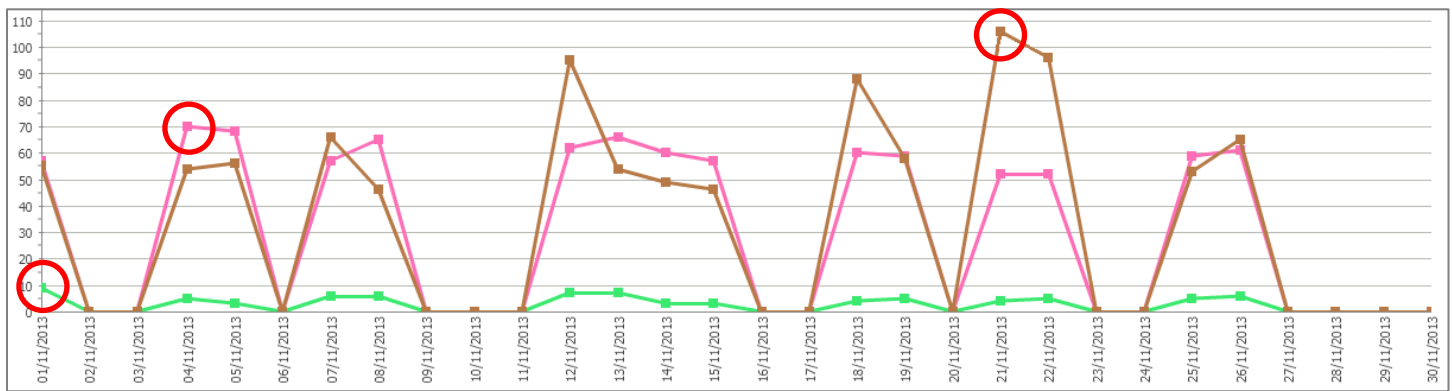
License usage peaked on November 8, 2013 with 402 concurrent licenses in use



### Aggregated license usage of ArcView, ArcEditor and ArcInfo

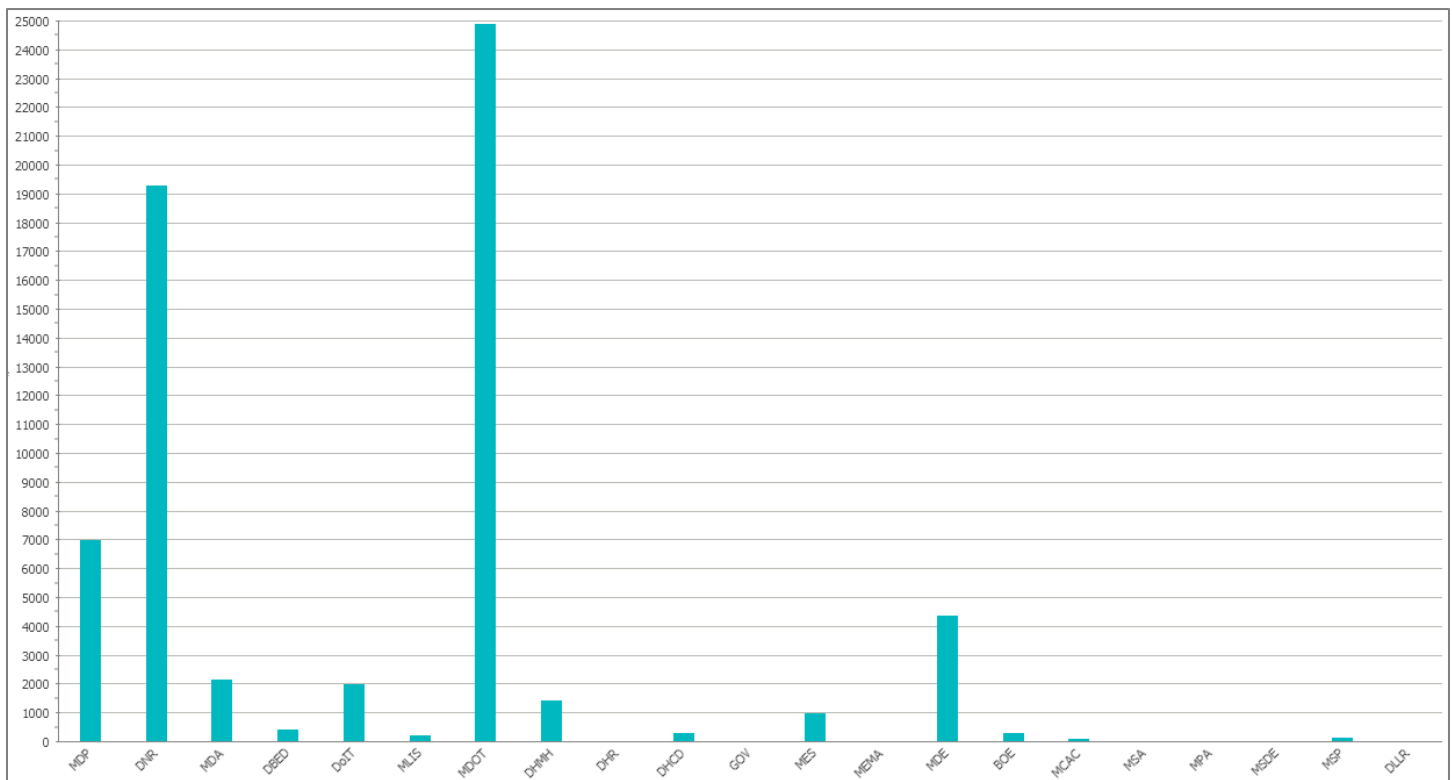


## Breakdown of license usage for ArcView, ArcEditor and ArcInfo



- Max # of concurrent licenses for ArcView – November 21, 2013 with 106
- Max # of concurrent licenses for ArcEditor – November 1, 2013 with 9
- Max # of concurrent licenses for ArcInfo – November 4, 2013 with 70

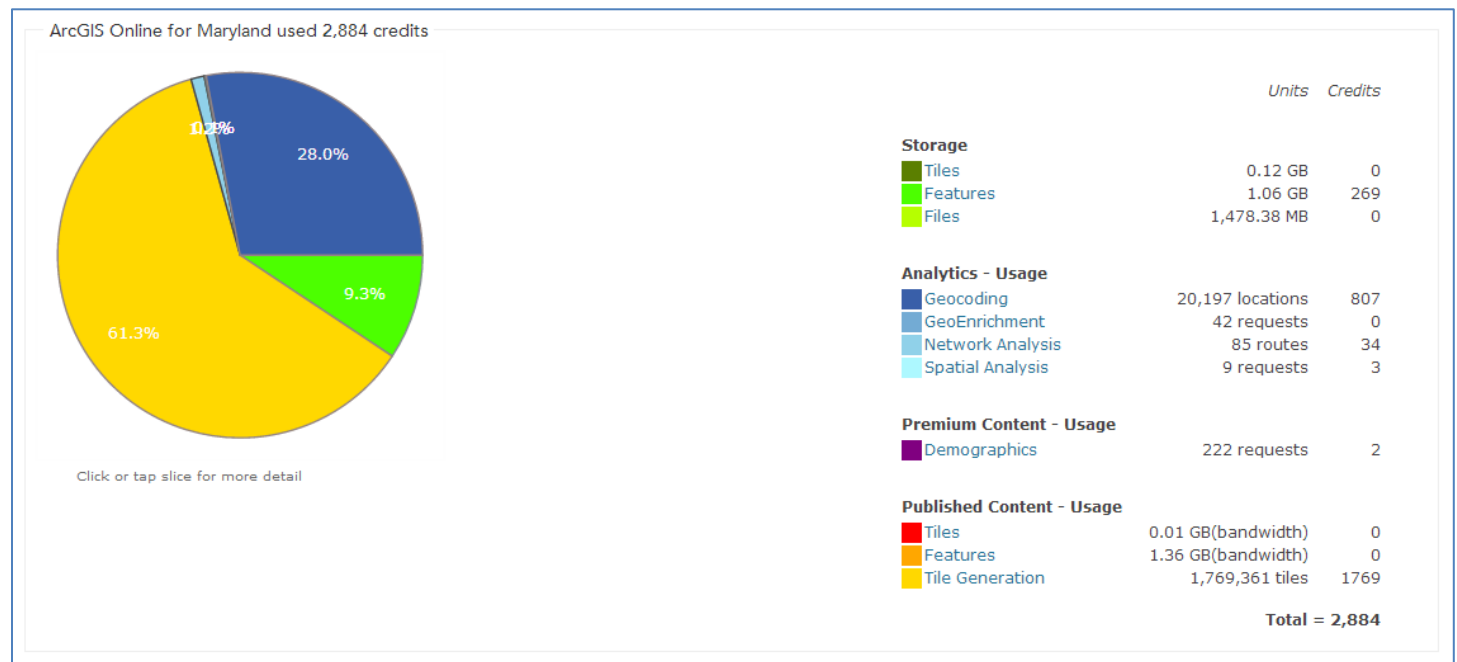
## Breakout of license usage (in hours) by Group/Agency



## ArcGIS Online Statistics

- Total Number of Members as of November: 296
- Percent Change from October 2013: +10.86%
- Total Credits Used in November: 2,884
- Percent Change from October 2013: +339.63%
- Total Credits Remaining: 32,796

## Credit Usage for November 2013



### Data & Resources Subcommittee Updates

- Meeting last week and talked about revisiting framework data layers
- SHA grid maps are not cached at the standard cache levels used by MD iMap
- Suggest survey what each agency needs in a basemap and what they need in a basemap

**Question:** How much time would it take to cache these available maps?

- This would help decide how it would be broken down
- Caching is part of the issue, but the symbology and annotation visibility at the various levels would be more time consuming
- Trying to find the next closest scale level for the web standard and some of the symbology can be transferred over, but at some of the other levels, there is a lot of time put into updating the symbology
- Could be done in a week with another week for review

**Question:** Does the effort to put equal the value we would get out of the resource?

- MDP already using these grids in their MDPV product
- This topic was started by MDP
- Is there anyone else who would like to see these grid maps made available?
- SHA Office of Structures are everyday users of the grid maps
- They create survey request maps which go to the survey users to build information upon
- Build floodplain maps which go to MDE for approval
- Base map needs could be surveyed through the SHA Office of Structures because these base maps are used daily
- No survey has yet been put together, because Barney Krucoff and Kenny Miller do not like the idea of a survey, but want to poll those who have a need for these specific maps

- Delaware data mill has 10 layers to create a base map: centerlines, parcels, hydrographic (NHD), elevation, contours, DEMs, municipalities
- Expect to launch a new Enterprise Geodatabase soon, discussions about caching and symbology will occur shortly
- Possibility to discuss guidelines for State agencies designing their own standards
- May want to provide guidelines for developing individual agency standards to help meet the standards recommended by the Technical Committee for data coming into MD iMap, dependent on the data sources
- We are moving to MD iMap 2.0 and some of those recently created standards will be forced to change
- Might want to change once these Technical Committee level standards are updated
- Expectations for February/March time frame for releasing first draft of these standards
- Received a call from MTA concerning what is the standard for the State and what should be followed, DNR has also raised a similar question
- These are the standards for data coming to MD iMap and the internal standards can be completely different

### **Addressing Initiative**

- Working on internal replication with jurisdictions
- Russell Provost took some replication models into the State schema, which has been completed and will not be able to work on it until the 20<sup>th</sup> or just after the holidays
- Work on incorporating the ETL elements in BMC model
- Anticipate skipping the process in December, but will be back on track in January

### **Geocoder Update**

- Performance issues, MDE was having an issue with geocoding addresses over about 14,000 addresses
- Was hanging up about halfway through
- Stripped out all of the formatting, but the issue persisted
- CGIS was going to test if there was a storage limitation issue
- If this is the cause of the issue might need to clear out the storage folder or create a script that regularly clears it out to avoid this issue in the future
- Started a conversation on overall issues of the geocoder
- Tweak individual geocoder settings
- Consider replacing the geocoder with a smaller geocoder which is for traditional addresses
- CGIS was going to look to test out this new option once the MDE issue was resolved
- BMC testing several geocoders with 50,000 records and hung up after about 10,000 records
- BMC available for outside of firewall testing
- Talked about adding additional geocoders to the cascading geocoder, but it has already surpassed the recommended number of geocoders
- Need to setup a central location for feedback, obtain time of day, how many records were being geocoded, etc. to try and track issues in the future
- Need to check with DoIT Web Team concerning the progress on a feedback form being developed for inclusion on the Portal
- Will consider trying to get the feedback uploaded and share with the group

### **DFIRM Data Integration Update**

*No Updates Available*

## **2013 Eastern Shore Imagery Status Update**

- Convert the parcels and 6 inch imagery to Web Mercator projection
  - All MD iMap 2.0 services will be in Web Mercator projection
  - 6 inch imagery in process of being converted to Web Mercator now
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- New 2014 Contract
1. The 911 Board approved the request for funding to fly the Western Shore
  2. The new contract should be in place (signed, etc.) by January 6. Axis Geospatial was selected.
  3. Once the contract is fully executed we need to do outreach so the GIS community knows about these details

## **Centerlines Update**

- State Highway Administration (SHA) has been doing a lot of outreach to get the word out, as much as possible, as to what the agency is trying to get done
  - Just met with Baltimore Metropolitan Council (BMC) and presented at Esri MUG Conference
  - Contacted all counties: met with 3, scheduled meetings with 4 others and have not heard back from the remaining counties
  - At Esri MUG Conference reached some new folks who would be involved in the process
  - Trying to get out as much information as possible
  - Have added a centerline page to the MD iMap Portal
  - Also want to post a page on the external SHA website and link between these two pages/sites
  - Want to use these resources for when the counties have more questions about the program
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- Still trying to procure Esri Roads and Highways and should be done with this process soon
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- Started a Regional Steering Committee with Delaware, Washington, D.C. and Virginia
  - Someone from North Carolina showed up for the first meeting
  - Idea is all of the States have procured or will procure Esri Roads and Highways
  - No one has implemented this product yet, so can go through the process together
  - Have the attention of the U.S. Census, Esri and this might be the model for a region that other states would follow to replace Tiger centerlines
  - The idea is to have a regional centerline which would be seamless across state boundaries
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- Spending some time to look at touch points between jurisdictions
  - Looking at looking at touch points between all municipal, counties through the State, looking at those with a lack of connectivity
  - Create a SHA layer where jurisdictions change, creating points, publishing and getting feedback from jurisdictions
  - Can they all agree upon the location of the points, a uniform layer for snapping, an official/agreed upon layer
  - Look at where State and County roads intersect in regards to maintenance, streamline the process if these are agreed upon ahead of time for conflation processes in the future
  - Cookie cutter State geometry into the County jurisdictions
  - Quick win for seamless county geometry for use by multiple organizations including MD iMap



- Add address ranges to the points, potential ranges would start and stop at these touch points (e.g. – Carroll\_L, Carroll\_R, Frederick\_L, Frederick\_R), so the neighboring jurisdictions understand the last address in the neighboring county
- MD iMap and MSGIC have been challenged to reach out to surrounding States
- TUGis is a change for the State of MD to join different projects at the State level or cross jurisdiction efforts
- March or May is Mid-Atlantic Committee PennDot meeting
- GIST (for Transportation) meeting where SHA could do a presentation or workshop, submitted an abstract
- Participate in bi-weekly call for Esri Roads and Highways User Group, with many State's DOTs on the call
- West Virginia is far along with implementation of Roads and Highways and learning from them
- Delmarva GIS Conference (May 7 & 8, 2014) in Delaware
- Session on this to have various states talking about it, concurrent session or panel discussion

#### AGOL Updates

- Email all of the users and let them know about doing tile generation outside of the cloud, educate users for options outside of the cloud
- Joy Polis from Washington State has a use agreement before signing onto AGOL
- There are a lot of people that do not know that their actions are eating up credits
- There are also premium demographic layers which use credits, but are not marked as such

#### Application Subcommittee Updates

- Need someone to chair this subcommittee
- Talked about merging this subcommittee with the Data and Resources Subcommittee, but recommended that they stay separate into the near future, reach out to get some volunteers
- Erin Lesh is interested, but has not yet committed
- Opportunity to move the template modification into the Technical Committee and not as Governor focused
- SHA mapping of structurally deficient bridge structures, funding distribution based on mapping and data

**Action Item:** Message out SHA Centerline tab new to Portal – GIO Office

**Action Item:** Message out LiDAR Service Availability, once ESRGC confirms they are finalized – GIO Office

- Maryland Department of Transportation (MDOT) and State Assessments and Taxation (SDAT) had a meeting concerning potential to obtain oblique imagery
- Brought back to this committee to see level of interest from other agencies, such as SHA, MTA
- Need to add to the agenda and put forward for additional discussion
- Outreach to the counties to see what is already available and see if some State contribution can determine how much of the State has been collected
- Frederick County, Baltimore City, Anne Arundel County, Montgomery County, Prince George's County, Harford County, Howard County, Wicomico County in select locations, some municipalities and ESRGC has some other select areas

**Action Item:** Survey Pictometry to determine who has contracted with them from Maryland – GIO Office

**Question:** Who does the checks of the LiDAR data?

- Done during the contract acquisition, survey checked based on each contract, spot checked only

**Question:** When there is a problem with the LiDAR who is the person to contact with this issue?

- Individual counties and data owners
- Should/Could this feedback be centralized to get it back to the data owners to apply changes
- Transportation Research Board (TRB) Meeting on January 12 – 16, 2014
- GIS is one of the committees participating
- ABJ60 (GIS Committee), ABJ20 (Data and Information Systems Committee) and ABJ30 (Urban Transportation Data and Information Systems Committee)
- Meeting is free for State DOT agency employees
- 5 day program, very comprehensive
- To be held in Washington, D.C. at Hilton and Marriott Hotels and one other location with bus service between locations

#### **Outreach Subcommittee Updates**

*No Updates Available*